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(54) **Large Strike Face Hammer**

(57) A hammer (10) includes a handle (12) and a head (14). The head (14) is disposed on an upper portion of the handle (12). The hammer (10) includes an overall length dimension. A ratio of the overall length dimension to the surface area of the striking surface of the head is less than 11.0. The head (14) also includes a striking surface (20) at one end thereof and a head weight. The head (14) may be integrally formed with the upper portion

of the handle (12), wherein a ratio of the head weight to the surface area of the striking surface of the head is less than 16.25. The head (14) may alternatively be mounted on the upper portion of the handle (12), wherein a ratio of the head weight to the surface area of the striking surface (20) of the head (14) is less than 14.0. The head (14) can have a ratio of radial measurements that is less than 1.

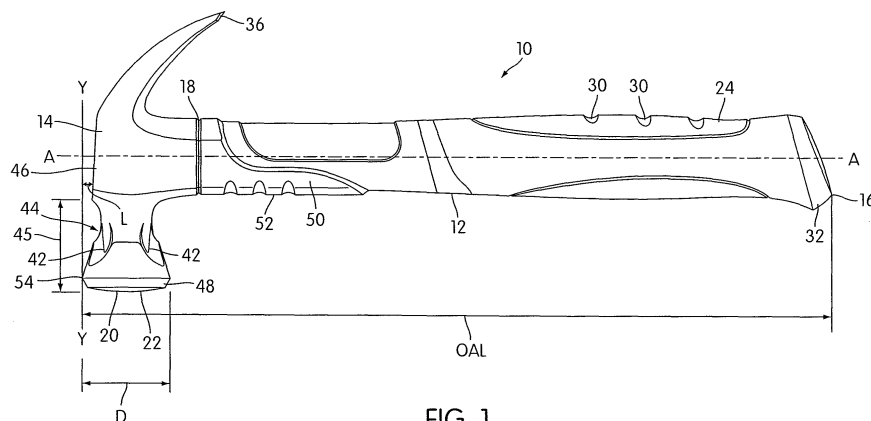


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 10 15 2893

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
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Y	* page 2, lines 42-63,109-120; figure 1 *	12,13		
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Y	* page 2, lines 35-42; claim 1; figures 1-4 *	3,11-13		
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Y	US 3 130 762 A (KERR HENRY K) 28 April 1964 (1964-04-28)	3,11		TECHNICAL FIELDS SEARCHED (IPC)
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A	* column 2, line 66 - column 3, line 42; figure 2.3.7 *	1,2		
A	US 2008/072711 A1 (TOOLE RODNEY [US] ET AL) 27 March 2008 (2008-03-27)	1		
	* the whole document *			
-The present search report has been drawn up for all claims				
Place of search		Date of completion of the search	Examiner	
The Hague		11 August 2010	Lorence, Xavier	
CATEGORY OF CITED DOCUMENTS				
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document				

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EPO FORM 1503 03.82 (P04C01)



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

1-4(completely); 8, 10-15(partially)

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 10 15 2893

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2(completely); 8, 10-15(partially)

A hammer with a particular ratio of its overall length dimension to the surface area of the striking surface of its head

2. claims: 3, 4(completely); 8, 10-15(partially)

A hammer with a particular ratio of its head weight to the surface area of the striking surface of its head

3. claims: 5-9(completely); 10-15(partially)

A hammer with a head having a particular shape

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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11-08-2010

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